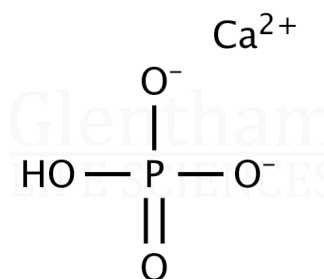


Certificate of Analysis

Product Name	Calcium phosphate dibasic, anhydrous, EP, USP grade
Glentham Code	GL2117
CAS Number	7757-93-9
EINECS	231-826-1
MDL Number	MFCD00010909
Additional CAS	7789-77-7 ($\cdot 2\text{H}_2\text{O}$)
PubChem SID	310269226
Batch Number	323IPG
Molecular Weight	136.06
Molecular Formula	$\text{CaH}_2\text{O}_4\text{P}$
Storage Temp.	+20°C



Property	Specification	Batch 323IPG
Physical Description	White powder	Conforms
Identification	According to EP, USP	Conforms
Assay	98.0 - 103.0 % (CaHPO_4)	Conforms
Loss on Ignition	7.0 - 8.5 % (800°C)	7.1%
Loss on Drying	$\leq 2.0\%$ (200°C, 3h)	Conforms
pH (10% in water)	6.0 - 7.5	6.6
Aluminium (Al)	$\leq 200\text{ppm}$	Conforms
Arsenic (As)	$\leq 1\text{ppm}$	Conforms
Lead (Pb)	$\leq 0.25\text{ppm}$	0.19ppm
Cadmium (Cd)	$\leq 1\text{ppm}$	$\leq 0.5\text{ppm}$
Iron (Fe)	$\leq 400\text{ppm}$	Conforms
Mercury (Hg)	$\leq 1\text{ppm}$	Conforms
Heavy Metals (as Pb)	$\leq 30\text{ppm}$	Conforms
Barium Test	According to EP, USP	Conforms
Chloride (Cl)	$\leq 0.25\%$	$\leq 0.248\%$
Fluoride (F)	$\leq 50\text{ppm}$	Conforms
Sulphate	$\leq 0.2\%$	Conforms
Carbonate Test	According to EP, USP	Conforms
HCl Insolubles	$\leq 0.2\%$	Conforms
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-01-23
Re-Test Date	2028-09-01

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025